Title (en)

FILE SYSTEM PRIMITIVE PROVIDING NATIVE FILE SYSTEM SUPPORT FOR REMOTE STORAGE

Title (de)

GRUNDFUNKTIONEN EINES DATEIENSYSTEMES ZUR NATIVEN UNTERSTÜTZUNG EINES DATEIENSYSTEMS FÜR ENTFERNTE DATEISPEICHERUNG

Title (fr)

ASSEMBLAGE DE SYSTEMES DE FICHIERS FOURNISSANT SUPPORT NATIVE A UN SYSTEME LOCAL DE FICHIERS POUR LE STOCKAGE A DISTANCE

Publication

EP 1034488 B1 20110302 (EN)

Application

EP 98925218 A 19980603

Priority

• US 9811431 W 19980603
• US 87478797 A 19970613

Abstract (en)

[origin: WO9857250A2] In order to decrease the overall cost of storing large amounts of data, systems have been developed that use a hierarchy of storage devices from fast local disks (118) to archival off-line storage (122). Such storage devices (118, 122) may be managed in a hierarchy where data that is accessed only infrequently can be moved to archival storage (122). The present invention relies on a tight integration of a hierarchical storage manager (110) into the I/O system so that remotely stored attributes (112) can be identified and tracked internally to the I/O system just like any other attributes. Implementations of the present invention may relay on a layered driver model where lower level drivers (104) detect the existence of files with remotely stored attributes (112) and then transfer control for processing I/O requests involving files with remotely stored attributes (112) to higher level drivers (100). The higher level drivers (100) then assume control to finish processing the I/O request.

IPC 8 full level

G06F 17/30 (2006.01); **G06F 3/06** (2006.01); **G06F 12/00** (2006.01); **G06F 12/08** (2006.01); **G06F 13/10** (2006.01)

CPC (source: EP US)

G06F 3/0626 (2013.01 - EP US); **G06F 3/0643** (2013.01 - EP US); **G06F 3/067** (2013.01 - EP US); **G06F 13/102** (2013.01 - EP US); Y10S 707/99955 (2013.01 - US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9857250 A2 19981217; **WO 9857250 A3 19990311**; AT E500558 T1 20110315; AU 7722198 A 19981230; CA 2291000 A1 19981217; CA 2291000 C 20050802; DE 69842153 D1 20110414; EP 1034488 A2 20000913; EP 1034488 A4 20000913; EP 1034488 B1 20110302; JP 2001526815 A 20011218; JP 2006331448 A 20061207; JP 2006344234 A 20061221; JP 4302723 B2 20090729; JP 4395153 B2 20100106; US 5978815 A 19991102

DOCDB simple family (application)

US 9811431 W 19980603; AT 98925218 T 19980603; AU 7722198 A 19980603; CA 2291000 A 19980603; DE 69842153 T 19980603; EP 98925218 A 19980603; JP 2006202829 A 20060726; JP 2006202857 A 20060726; JP 50281999 A 19980603; US 87478797 A 19970613